

(1) GENERATOR NAME Umetco Minerals Corporation
ADDRESS 137 - 47th Street
CITY Niagara Falls STATE New York
CONTACT G E. Walck PHONE (716)278-3361

(2) consigned to
CHEM NUCLEAR SYSTEMS, INC
P O BOX 726 OSBORN ROAD
BARNWELL SC 29812

BARNWELL WASTE MANAGEMENT FACILITY

Operated by CHEM NUCLEAR SYSTEMS, INC
P O Box 726, Barnwell, South Carolina 29812
(803) 259 1781

RADIOACTIVE SHIPMENT MANIFEST FORM

(3) USE THIS NUMBER ON
ALL CONTINUATION PAGES

VOLUME ALLOCATION NO

1084-111-A

PAGE 1

OF 2

(4) Tri-
CARRIER State ADDRESS Joplin, Missouri 64801
TELEPHONE 417-624-3131 SHIPPING DATE 10/2/84
SHIPMENT TYPE Van SHIPMENT SURFACE EXPOSURE .110 mR/hr
SHIPMENT NO 615-3010 LINER SERIAL NO -
DRIVER SIGNATURE Donovan Fitch DATE 2 OCT 84

(5) TOTAL FOR EACH CLASS		PROPER SHIPPING NAME & HAZARD CLASS (PER 49 CFR 172.101)	ID NUMBER
NO OF PACKAGES	WEIGHT (Pounds)		
		Radioactive Material, empty packages	UN2908
		Radioactive Material, fissile, n o s —Radioactive Material	UN2918
9	4450.2	Radioactive Material, low specific activity, n o s —Radioactive Material	UN2912
		Radioactive Material, n o s —Radioactive Material	UN2982
		Radioactive Material, limited quantity, n o s —Radioactive Material	UN2910
		Radioactive Material, special form, n o s —Radioactive Material	UN2974
		Radioactive Material, instruments and articles —Radioactive Material	UN2911
		Other (Specify)	

(6) SHIPMENT TOTALS							
VOLUME (Cubic Feet)	TOTAL NO OF PACKAGES	ACTIVITY (10CFR 20.311) □ Curies <input checked="" type="checkbox"/> Milli-curies					SOURCE (Pounds)
		ALL ISOTOPES	TRITIUM	C 14	Ic 99	I 129	
585	9	0 6	NP	NP	NP	NP	0 9

(7) TOTAL SNM	
ISOTOPE	GRAMS
U 233	N/A
U 235	
TOTAL	

(8) TOTAL PALLET VOLUME (CU FT) N/A

(9) WASTE DESCRIPTION Contaminated Soil
Misc. Debris (10) PHYSICAL FORM/
SOLIDIFICATION AGENT Solid

(11) CHEMICAL FORM AND
NAME AND % OF CHELATING AGENT(S) Metal Oxides

(12) WASTE FORM CLASS
☒ A ☐ B ☐ C

(13) (x) Yes () No THIS VEHICLE IS CONSIGNED EXCLUSIVE USE LOADING AND UNLOADING MUST BE
ACCOMPLISHED BY CONSIGNOR OR CONSIGNEE OR HIS DESIGNATED AGENT

(14) IMPORTANT This is to certify that the above named materials are properly classified described packaged marked
and labeled and are in proper condition for transportation according to the applicable regulations of the Department of
Transportation

Signature G.E. Walck
Company Umetco Minerals Corp Date 10/2/84

(15) Certification is hereby made to the South Carolina Department of Health and Environmental Control that this shipment
of low level radioactive waste has been inspected in accordance with the requirements of South Carolina Radioactive
Material License No 097 as amended and the Nuclear Regulatory Commission's License No 12 13536 01 as
amended and the effective Barnwell Site Disposal Criteria within 48 hours prior to shipment and further certification is
made that the inspection revealed no items of non compliance with all applicable laws rules and regulations

Date 10/2/84 By G.E. Walck
Title and Organization Construction Superintendent - Umetco Minerals Corp.
Telephone No (716) 278-3361

☒ This material meets all license requirements

☒ This material was disposed of in accordance with license OCT 11 1984

☐ Discrepancy

Date 10/8/84

Authorized Signature [Signature]

Title [Signature]

UCCNHT00002628

GENERATOR NAME Lacleo Minerals Corporation

PAGE 2 OF 2

PAGE 2 OF 2

PAGE TOTALS

CUSTOMER'S COPY

UCCNHT00002629

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading nor a copy or duplicate covering the property named herein and is intended solely for filing or record.

RECEIVED subject to the classifications and tariffs in effect on the date of the receipt by the carrier of the property described in the Original Bill of Lading.

[illegible]

DATE SHIPPED 10/2/84

FREIGHT BILL NUMBER
6588012
SHIPPER'S NUMBER
615-3010

EXECUTIVE OFFICES
P O BOX 113 JOPLIN, MO 64801

CONSIGNED TO

(Mail or street address of consignee - For purposes of notification only)

Barnwell WASTE MANAGEMENT FACILITY

Subject to Section 7 of conditions of applicable bill of lading if the shipment is to be delivered to the consignee without recourse on the consignor the consignor shall sign the following statement

The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges

[illegible]

Ragnwell SC

DELIVERY ADDRESS

(To be filled in only when shipper desires and governing tariffs provide for delivery thereat.)

PO Box 736 Barnwell SC 29812

CONNECTING CARRIER(S)

DELIVERING CARRIER

TRACTOR NO

TRAILER NO

TSMI

٩٥٥٣

54-1110

NUMBER PACKAGES	KIND OF PACKAGE	DESCRIPTION OF ARTICLES, SPECIAL MARKS, AND EXCEPTIONS	* WEIGHT (Subject to Correction)	CLASS OR RATE	CK COL
--------------------	-----------------	--	-------------------------------------	------------------	-----------

(Signature of consignor)

9	Bx5 LSA
---	---------

45200

If charges are to be prepaid write
or stamp here 'To be Prepaid'

Rec'd \$	10
apply in prepayment of the charges on the property described hereon	

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid.)

Charges advanced

DIMENSIONS	LENGTH	WIDTH	HEIGHT	TOTAL FEET OF TRAILER SPACE OCCUPIED
------------	--------	-------	--------	--------------------------------------

OF CARGO				
BEFORE	LOCAL	IN	LOCAL	IN
LOADED	LOCAL	IN	LOCAL	IN
				ALL FT IN

UNLESS A GREATER VALUE IS DECLARED, THE SHIPPER HEREBY RELEASES THE VALUE TO \$5000.00 PER TON OF 2000 POUNDS FOR EACH ARTICLE

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND
 LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION, ACCORDING TO THE APPLICABLE REGULATION OF THE DE-
 PARTMENT OF TRANSPORTATION

UNLESS OTHERWISE NOTED VEHICLE CONTAINS HAZARDOUS MATERIALS PROPERLY PLACARDED IN ACCORDANCE WITH 49CFR172 506

ARRIVED AT SHIPPER	DATE 10/2/84	TIME 9:00 AM	PREFARRANGED SCHEDULE	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	DATE 10/2/84	TIME 5:00 AM	LOADING STARTED	DATE 10/2/84	TIME 9:00 AM
LOADING COMPLETED	DATE 10/2/84	TIME 1:10 PM	VEHICLE RELEASED	DATE 10/2/84	TIME 1:15 PM	SHIPPER'S SIGNATURE J.E. Gwalt			
IF THIRD PARTY BILLING, BILL TO					SHIPPER PER		AGENT PER		

SIGNATURE TALLY RECEIPT - Must be filled out and signed at origin and each time the shipment changes custody

DATE SHIPMENT RECEIVED FROM CONSIGNEE										2ND TIME CARGO CHANGED CUSTODY										4TH TIME CARGO CHANGED CUSTODY									
DATE			TIME			TRACTOR NO			DATE			TIME			TRACTOR NO			DATE			TIME			TRACTOR NO					
DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL									
DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL									
1ST TIME CARGO CHANGED CUSTODY										3RD TIME CARGO CHANGED CUSTODY										5TH TIME CARGO CHANGED CUSTODY									
DATE			TIME			TRACTOR NO			DATE			TIME			TRACTOR NO			DATE			TIME			TRACTOR NO					
DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL									
DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL				DRIVER'S SIGNATURE				HOME TERMINAL									
ARRIVED AT CONSIGNEE			DATE			TIME A M P M			PREARRANGED SCHEDULE <input type="checkbox"/> YES <input type="checkbox"/> NO			DATE			TIME A M P M			UNLOADING STARTED			DATE			TIME A M P M					
UNLOADING COMPLETE			DATE			TIME A M P M			VEHICLE RELEASED			DATE			TIME A M P M			CONSIGNEE'S SIGNATURE <div style="text-align: center; font-size: 2em;">X</div>											
RECEIVED THE ABOVE DESCRIBED PROPERTY IN GOOD CONDITION EXCEPT AS NOTED																													

THIS MEMORANDUM

is an acknowledgment that a Bill of Lading has been issued and is not the Original Bill of Lading nor a copy or duplicate covering the property named herein and is intended solely for filing or record

Shipment No. 615-3010

Tri-State Motor Transit Company

Carrier's No. 658846

Name of Carrier

RECEIVED subject to the classifications and tariffs in effect on the date of the issue of this Bill of Lading

AT Marietta, Ohio
Niagara Falls, NYOctober 2, 19 64 From METALS DIVISION, UMETCO MINERALS CORP.
UNION CARBIDE CORPORATION

For use via carrier truck under the exclusive/sole use shipments/movements

the property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown) marked consigned and destined as indicated below which said carrier (the word carrier being understood through out this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination if on its route, otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said property over all or any portion of said route to destination, and as to each party at any time interested in all or any of said property that every service to be performed hereunder shall be subject to all the terms and conditions of the Uniform Domestic Straight Bill of Lading set forth (1) in Official Southern Western and Illinois Freight Classifications in effect on the date hereof if this is a rail or a rail water shipment, or (2) in the applicable motor carrier classification or tariff if this is a motor carrier shipment.

Shipper hereby certifies that he is familiar with all the terms and conditions of the said bill of lading including those on the back thereof set forth in the classification or tariff which governs the transportation of this shipment, and the said terms and conditions are hereby agreed to by the shipper and accepted for himself and his assigns

Consigned to UMETCO MINERALS CORP. Chem-Nuclear Systems Inc. Barnwell Management Facilities		SHIPPER'S ORDER NO		CUSTOMER'S ORDER NO	
Destination Atlanta Barnwell (Osborn Road)		State Colorado S. Carolina		County Montrose Barnwell	
Route		Car or Vehicle Initials FF53		No 440453 Seal No 262523	
Delivering Carrier Tri-State Motor Transit		No Packages		Kind of Package, Description of Articles, Special marks, and Exceptions	
		*Weight (Sub to correction)		†Class or Rate	
		Check Column		Subject to Section 7 of Conditions of applicable bill of lading, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement	
9		Radioactive Materials, I.S.A. n o s (585 cu. ft.)		44502	
		Radioactive Material UN-2912			
		UN Natural			
		Uranium/Plutonium Residues (From Chemical Processing)			
		0.016 Max Gms per Package		Less than one (1) pound source	
		material - solid, metal oxide, contaminated soil,			
		building rubble, wood and plant equipment.			
		This is to certify that the above named materials are properly classified described packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation			
		Signed <i>A. E. Walick</i>			
		Vehicle assigned for sole use of consignor Do not load other freight on the vehicle, do not transfer in route and do not break the seal on truck			
		Carrier hereby acknowledges that prior to or at the time this shipment was offered for transportation, the shipper provided or affixed according to applicable regulations the required placards or orange panels (including prescribed identification numbers) for each hazardous material named hereon			
		Signed <i>W. E. Walick</i>			

(Signature of consignor)

If charges are to be prepaid write "Prepaid" here

Third Party
PREPAID (See below)*

Received \$ _____
to apply in prepayment of the charges on the property described hereon

Agent or Cashier

Per _____
(The signature here acknowledges only the amount prepaid)

Charges advanced

\$ _____
This shipment is correctly described

Correct weight is _____ lbs
Subject to verification by the
*L.G. Evans

Umetco Minerals Corp.

P.O. Box 37
Niagara Falls, NY 14302

The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding _____ per _____

METALS DIVISION
UNION CARBIDE CORPORATION

UMETCO MINERALS CORPORATION

Shipper

Agent

Per *A. E. Walick*
Permanent postoffice
address of shipper
UC 326-34

G.E. Walick

Per

UCCNHT0002631

Form RHA-PNC
(5/80)SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Prior Notification and Manifest Form

See Reverse Side for Instructions

1. Name and Address of Shipper Umetco Minerals Corporation 137 47th Street Niagara Falls, NY 14302		2. Person Responsible for Radioactive Waste Shipment (a) Name G.E. Walck (b) Title Construction Superintendent (c) Telephone No (716) 278-3361	
3. Radioactive Waste Transport Permit No. 0211-31-84-X		4. Shipment Identification No. 1084-111-A	
5. Location from which waste will be shipped Same as (1) above		6. Name and Address of Consignee Chem-Nuclear Systems, Inc. P.O. Box 726 Barnwell, South Carolina 29812	
7. Scheduled Date of Departure of Shipment October 2, 1984		8. Estimated Date of Arrival of Shipment. October 4, 1984	
9. Carrier Tri-State Motor Transit	10. Type of Transport Vehicle Closed Van	11. Trailer No. and Owner (if available)	
12. Routes shipment will follow in State of South Carolina (Be Specific)			

I-20, I-26, US-321, S.C. 3 and S.C. 64

Manifest Summary

13. Type Container or Cask Wood Boxes	14. Container Spec. CFR 49 173.392 (c)	15. Total No of Containers 9
16. Waste Description, Physical and Chemical Form Contaminated Soil, Metal Oxides, Bldg. Rubble, Wood & Plant Hardware	17. Prominent Radionuclides Uranium (Nat.) .0028 Thorium (Nat.) .004	
18. Total Curies (mCi) .06	19. Transport Group III	20. Total Cubic Feet 585
21. Waste Classification		
<input checked="" type="checkbox"/> Radioactive LSA	<input type="checkbox"/> Bulk LSA	Normal Form
<input type="checkbox"/> Radioactive LSA greater than Type A quantities	<input type="checkbox"/> Limited quantities and radioactive devices	Special Form
	<input type="checkbox"/> Type A quantity	<input type="checkbox"/> Type A quantity
	<input type="checkbox"/> Type B quantity	<input type="checkbox"/> Type B quantity
	<input type="checkbox"/> Large quantity	<input type="checkbox"/> Large quantity
		Fissile
		<input type="checkbox"/> Class I
		<input type="checkbox"/> Class II
		<input type="checkbox"/> Class III

CERTIFICATION

I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the information provided herein is complete and correct to the best of my knowledge, and that the shipper has complied with all the provisions as required by Act No 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act.

Date September 25, 1984

G.E. Walck - Construction Supt.
Typed Name and Title of Agent of Shipper


Signature (G.E. Walck)

CONSIGNEE ACKNOWLEDGEMENT

This acknowledges to the South Carolina Department of Health and Environmental Control that the above-described radioactive waste shipment was received.

Date of Delivery _____

Signature of Consignee or authorized Agent

Typed or Printed Name and Title _____

Original: S. Carolina
Copy: Chem-Nuclear
DHEC 802
(5/80)

(Copies of this form may be reproduced locally as needed)

UCCNHT0002632

1. This form is to be used to provide the Department with prior notification of radioactive waste shipments transported into or within the State of South Carolina. This notification is to be made 72 hours before the expected date of arrival in the State. All written notices should be mailed to:

Bureau of Radiological Health
Radioactive Waste Management Section
S.C. Dept. of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

2. A separate form shall be submitted for each radioactive waste shipment.
3. Prior notification is required of all radioactive waste shipments as defined in paragraph 2 of Interim Regulations for the Transportation of Radioactive Waste into or within South Carolina except as provided in paragraph 4.1.2 of the Regulation.
4. The "Manifest Summary" portion of this form will satisfy requirements of providing the Department with a shipping manifest, however, it does not satisfy the requirements of shipping documents which shall accompany the shipments as required by DOT Regulations and the disposal facility's license and criteria.
5. A copy of this completed form shall be provided to the carrier and all drivers of the radioactive waste shipment.
6. Upon delivery of the shipment to the consignee, acknowledgement of receipt shall be obtained, and a copy of this form and the shipper/carrier's certification form shall be returned to the Department.

Specific Instructions

Item Number

1. Self Explanatory
2. Self Explanatory
3. This item applies to all shipments of radioactive waste transported to and within the State of South Carolina.
4. Each shipment of radioactive waste shall be identified in some manner by the shipper. This number can be a radioactive shipment record number, bill of lading number, allocation number, etc. The identification number shall only be used once to identify the one shipment for which notification is being made.
5. Self Explanatory
6. Indicate in this item the disposal facility, company, organization, etc., to which this shipment has been consigned.
7. Self Explanatory
8. For through shipments, indicate in this item estimated date shipment will pass through the state.
9. Self Explanatory
10. & 11. Applies only to exclusive use, sole use, and full load shipments.
12. All routing information must be specific. You should check with carrier to insure routes you prescribe are appropriate. The carrier is responsible to inform the Department of any changes of routes in South Carolina after departure.
- 3 thru 21. Self Explanatory

Certification: To be signed only by an authorized representative or agent of the shipper and carrier.

SOUTH CAROLINA DEPARTMENT OF HEALTH AND ENVIRONMENTAL CONTROL
Radioactive Waste Shipment Certification Form

General Instructions and Information: This is a two part form to be used by shippers and carriers of radioactive waste. The certifications contained herein satisfy the requirements of Section 13-7-150, of Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act. This certification along with a copy of the prior notification form shall accompany each shipment of radioactive waste into and within the State of South Carolina. The shipper is to complete his portion of the form and present it to the carrier as part of the shipping documents. Upon receipt, the carrier shall complete his portion of the form. Upon delivery of the shipment to the consignee, a copy of this certification form, and a copy of the Prior Notification and Manifest form with the consignee acknowledgement, shall be returned to the Department.

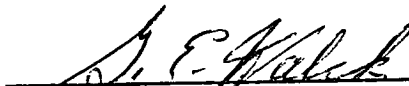
Part I: Shipper's Certificate of Compliance

1. Name of Shipper and Address: Umetco Minerals Corporation 137 - 47th Street Niagara Falls, NY 14302 Telephone No. (716) 278-3361	2. Shipment Identification No. 1084-111-A
	3. Transport Permit No. 0211-31-84-X

In compliance with Act No. 499 of 1980, the South Carolina Radioactive Waste Transportation and Disposal Act, I hereby certify on behalf of the above-named shipper to the South Carolina Department of Health and Environmental Control that the above-named shipper has complied with all provisions of Act No. 499 of 1980, and all applicable laws and administrative rules and regulations, both State and Federal, regarding the packaging, transportation, storage, disposal and delivery of such wastes. I further certify that this shipment of radioactive waste has been inspected within 48 hours of the time of departure and that no items of non-compliance with applicable laws, rules or regulations were found.

Date October 2, 1984

G.E. Walck, Construction Superintendent
Typed Name and Title of Agent of Shipper


Signature

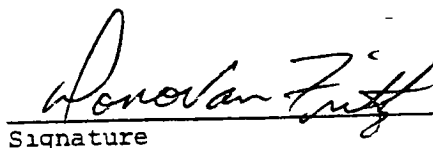
Part II: Carrier's Certification

1. Name of Carrier and Address: Tri-State Motor Transit Company P.O. Box 113 Joplin Missouri 64801 Telephone No. (800) 641-7591	2. Shipment Identification No. 1084-111-A
	3. Transport Trailer No.
4. Scheduled Date of Departure of Shipment: October 2, 1984	5. Estimated Date of Arrival of Shipment: October 4, 1984

Certification is hereby made to the South Carolina Department of Health and Environmental Control that: (a) the shipper has provided the carrier with a copy of the shipment manifest, the certificate of compliance, and the routing instructions; (b) the shipment of radioactive waste has been properly placarded for transport according to applicable U.S. Department of Transportation Regulations; (c) all shipping papers originated or reproduced by the carrier have been properly executed; (d) the transport vehicle has been inspected according to applicable State and Federal regulations within the prescribed intervals and that all safety and operational components are in good working order and meet the requirements of regulations; (e) all drivers who will operate the vehicle within the State of South Carolina are qualified to transport hazardous materials as specified by applicable U.S. Department of Transportation regulations; (f) the Department shall be immediately notified of any variance, occurring after departure, from the shipper's notification of primary routes in South Carolina and estimated date of arrival; (g) all applicable laws and administrative rules and regulations, both State and Federal, regarding the transportation of radioactive wastes will be complied with.

Date October 2, 1984

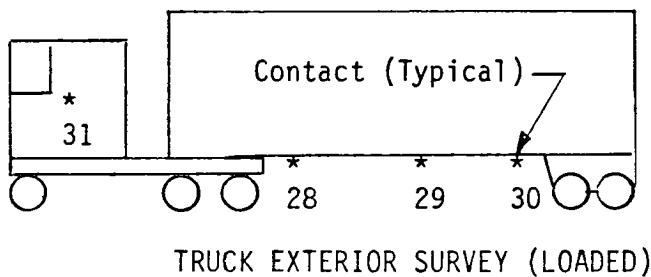
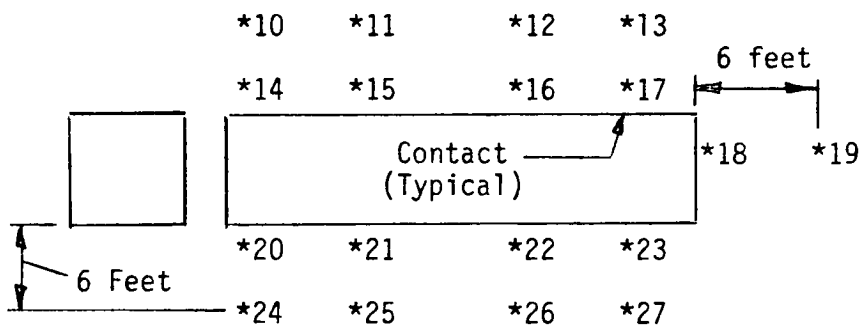
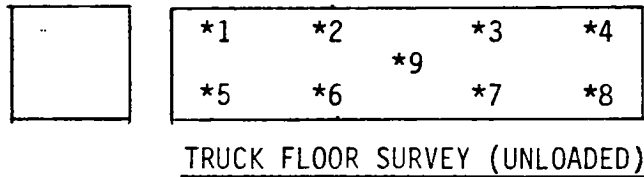
TSMT
Typed or Printed Name and Title


Signature

UMETCO MINERALS CORPORATION
NIAGARA FALLS, NEW YORK

DATE 10-2-84
SHIPMENT NO. 615-3010

TRACTOR NO. 8853
TRAILER NO. 440453



NO.	δ	β
1	.004	40
2	.005	—
3	.006	—
4	.007	60
5	.004	40
6	.005	—
7	.006	—
8	.005	40
9	—	70
10	.010	—
11	.012	—
12	.012	—
13	.010	—
14	.020	—
15	.018	—
16	.020	—
17	.018	—
18	.012	—
19	.008	—
20	.022	—
21	.024	—
22	.022	—
23	.020	—
24	.012	—
25	.014	—
26	.012	—
27	.010	—
28	.040	—
29	.038	—
30	.110	—
31	.006	—

LEGEND:

* Location of Reading

δ = mR/hr Ludlum Model 19 (S/N 22534)

β = dpm/100 cm² Ludlum Model 15 (S/N 28886)
w/Ludlum Model 44-9 Probe (S/N 12708) - Eff. 42%

SE Walk
(Survey performed by)

UCCNHT0002635

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-161 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 5114

RADIATION SURVEY (Total)

CONTACT .034 mR/hr.

3 FEET .016 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29356

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-165 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 5004

RADIATION SURVEY (Total)

CONTACT . 030 mR/hr.

3 FEET . 014 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29382

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-168 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 4984

RADIATION SURVEY (Total)

CONTACT .030 mR/hr.

3 FEET .015 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29385

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-170 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 4746

RADIATION SURVEY (Total)

CONTACT .032 mR/hr.

3 FEET .014 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29387

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-172 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 4716

RADIATION SURVEY (Total)

CONTACT .028 mR/hr.

3 FEET .014 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29389

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-173 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 4830

RADIATION SURVEY (Total)

CONTACT .026 mR/hr.

3 FEET .014 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29390

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-174 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 5202

RADIATION SURVEY (Total)

CONTACT .034 mR/hr.

3 FEET .014 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29391

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

UCCNHT0002642

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84 -176 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 4920

RADIATION SURVEY (Total)

CONTACT .027 mR/hr.

3 FEET .015 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29393

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

Umetco Minerals Corporation
Niagara Falls, New York

Date 8-24-84

CONTAINER SURVEY

BOX CONTROL NO. UM 84-178 BOX CAULKED YES

BOX BANDED YES BOX WEIGHT 4986

RADIATION SURVEY (Total)

CONTACT .080 mR/hr.

3 FEET .018 mR/hr.

INSTRUMENT Ludlum Model 19

SERIAL NUMBER 22534

RADIATION SURVEY (Removable)

SMEAR NO. A 29395

0 dpm/100cm² α

BKG dpm/100cm² β

INSTRUMENT NMC Model PC-55

SERIAL NUMBER 81-2712-05

UMETCO MINERALS CORPORATION
NIAGARA FALLS, NEW YORK

DATE 10-2-84

TRACTOR NO. 8853

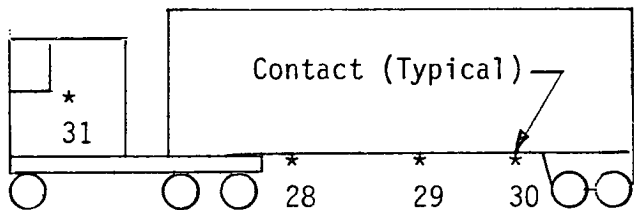
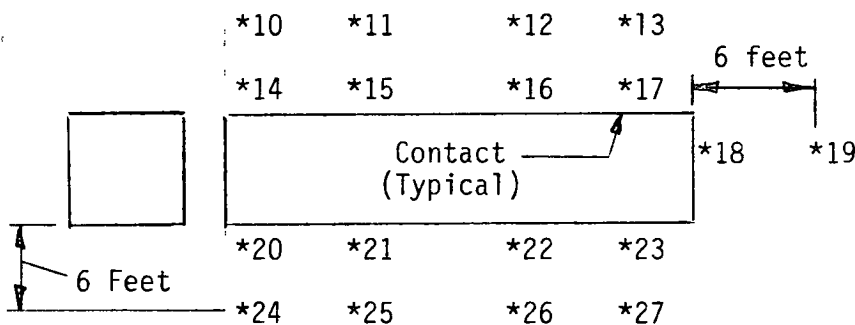
SHIPMENT NO. 615-3010

TRAILER NO. 440453



*1	*2	*3	*4
	*9		
*5	*6	*7	*8

TRUCK FLOOR SURVEY (UNLOADED)



TRUCK EXTERIOR SURVEY (LOADED)

NO.	δ	β
1	.004	40
2	.005	—
3	.006	—
4	.007	60
5	.004	40
6	.005	—
7	.006	—
8	.005	40
9	—	70
10	.010	—
11	.012	—
12	.012	—
13	.010	—
14	.020	—
15	.018	—
16	.020	—
17	.018	—
18	.012	—
19	.008	—
20	.022	—
21	.024	—
22	.022	—
23	.020	—
24	.012	—
25	.014	—
26	.012	—
27	.010	—
28	.040	—
29	.038	—
30	.110	—
31	.006	—

LEGEND:

* Location of Reading

δ = mR/hr Ludlum Model 19 (S/N 22534)

β = dpm/100 cm² Ludlum Model 15 (S/N 28886)
w/Ludlum Model 44-9 Probe (S/N 12708) - Eff. 42%

S. E. Mark
(Survey performed by)

UCCNHT0002645